Job Description

Research Support Specialist III-22518

Description

Research Support Specialist
Research Support Specialist III - Band G
College of Agriculture and Life Sciences
Department of Plant Breeding and Genetics
Cornell University
Ithaca, New York

The Department of Plant Breeding & Genetics is dedicated to the genetic improvement of crop plants for the   benefit of society through the development of novel breeding methodologies, the discovery and deployment of economically important genes as genetic stocks, germplasm, and varieties, and the training of a new generation of plant breeders.

As plant breeders for Cornell University, our vision is to be world leaders in innovative plant breeding research, teaching, and extension. Our mission is accomplished through diverse research, teaching, and extension activities ranging from the molecular study of crop plant genomes to development of superior crop varieties. Our scientists collaborate with others to integrate the knowledge, information, and expertise from a range of disciplines to produce new knowledge and unique germplasm.

The primary focus of the Gore research program in the Department of Plant Breeding and Genetics is the genetic dissection of metabolic seed traits related to nutritional quality of crops. The Gore lab also contributes to the development and application of field-based high-throughput phenotyping tools for plant breeding and genetics research. The position requires moderately complex database and informatics support for the Gore research program. Manage the collection, analysis, and storage of highly complex phenotypic, genotypic, weather, geospatial, and crop management data through the design, development, and utilization of a computer database system. Design and manage the process for tracking, keeping, and updating records and inventories for plant samples and germplasm with a laboratory information management system (LIMS). In addition, Ensure data integrity and reliability, rapid access to data, including providing the tabulation and graphing of highly complex data. Also, interface with computational units on Cornell campus to develop and maintain a cyberinfrastructure for the Gore lab that consists of functionality for data storage and high-performance computing. Develop and maintain web interfaces for project/lab databases and project/lab websites and interact with outside collaborators and research groups to learn and implement new database structures and help develop community database standards.

This is a two year term position with renewal contingent on performance and funding.

Qualifications

Master's degree or equivalent in Computer Science or closely related discipline with 3 but less than 5 years of experience or equivalent. Knowledge and experience with database development and management, including SQL expertise and relational database design. Web development experience including CSS, HTML, JavaScript. Experience with MySQL and at least one of the following scripting languages: Perl, Python, PHP.

Preferred Qualifications: M.S. in Computer Science or closely related discipline with 4 years of experience. Knowledge and experience with database development and management in Unix and Windows environments, including SQL expertise and relational database design. Web development experience including CSS, HTML, JavaScript. Experience with MySQL and PostgreSQL and all of the following scripting languages: Perl, Python, PHP. Extensive experience with C/C++ programming for design and development of software. Development of data acquisition applications for mobile devices.

Please apply on-line by January 2, 2014.

https://cornellu.taleo.net/careersection/10164/jobsearch.ftl

Background check may be required.

No relocation assistance is provided for this position.

Visa sponsorship is not available for this position.

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Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university's mission of teaching, discovery and engagement. Located in Ithaca, NY, Cornell's far-flung global presence includes the medical college's campuses on the Upper East Side of Manhattan and Doha, Qatar, as well as the new Cornell Tech campus to be built on Roosevelt Island in the heart of New York City.

Diversity and inclusion have been and continue to be a part of our heritage. Cornell University is a recognized EEO/AA employer and educator.

Job

-Academic Support

Primary Location

-Ithaca

Organization

-Agriculture & Life Sciences, College of

Schedule

-Full-time

Job Type

-Standard

Overtime Status

-Exempt

Contact Name

-Tam Shollenberger

Number of Openings

-1

University Job Title

-Research Support Specialist III

Level

-G

Sector*

-Contract College